



Docket No.: N.C. 84,613

**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Walton et al.  
Appl. No. : 10/644,567  
Filed : August 20, 2003  
Title : ELECTRON BEAM ENHANCED LARGE AREA DEPOSITION  
SYSTEM  
Art Unit : Not yet assigned  
Examiner : Not yet assigned

Honorable Assistant Commissioner for Patents  
Washington, DC 20231

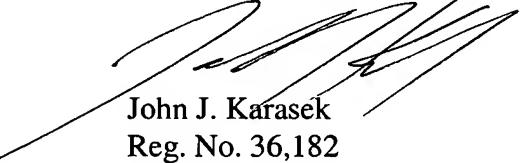
**INFORMATION DISCLOSURE STATEMENT**

Sir:

Applicants wish to advise the Patent and Trademark Office of the information listed on the attached Form PTO/SB/08 considered during the preparation of the above-identified application. A copy of each of the references listed is enclosed.

Kindly charge any additional fees due, or credit overpayment of fees, to Deposit Account No. 50-0281.

Respectfully submitted,



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PTO/SB/08A (08-00)

Approved for use through 10/31/2002, OMB 0651-0031  
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/644,567
		Filing Date	August 20, 2003
		First Named Inventor	Walton et al.
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Sheet	1	of	2
		Attorney Docket Number	84,613

Examiner Signature		Date Considered	
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet	1	of	2
		Attorney Docket Number	84,613



## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet

of 2

***Complete if Known***

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**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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(use as many sheets as necessary)		Filing Date	August 20, 2003
		First Named Inventor	Walton et al.
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Sheet	2	of	2
		Attorney Docket Number	84,613



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Sheet 2

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		R. F. FERNSLER ET AL., "Production of large-area plasmas by electron beams," Phys. Plasmas, 1998, 5, 2137-2143	
		WALLACE M. MANHEIMER ET AL., "Theoretical overview of the large-area plasma processing system (LAPPS)," Plasma Sources Sci. Technol. 2000, 9, 370-386	
		S. G. WALTON ET AL., "Ion energy distributions in a pulsed, electron beam-generated plasma," J. Vac. Sci. Technol. A, 2001, 19(4), 1325-1329	
		D. LEONHARDT ET AL., "Plasma diagnostics in large area plasma processing system," J. Vac. Sci. Technol. A, 2001, 19(4), 1367-1373	
		R. A. MEGER ET AL., "Beam-generated plasmas for processing applications," Phys Plasmas, 2001, 8, 2558-2564	
		KARL-HEINZ MULLER, "Stress and microstructure of sputter-deposited thin films: Molecular dynamcis investigations," J. Appl. Phys., 1987, 62, 1796-1799	

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